

ASSISTANT ENGINEER STATIONARY GRADE I

Code No.: 3-14-072
COMPETITIVE

DISTINGUISHING FEATURES OF THE CLASS: This is a key supervisory position in the operation of a facility involving responsibility for taking charge of a shift at a large facility. The employee oversees the operation, maintenance and repair of steam generating, steam distribution, mechanical, electrical, heating, cooling and ventilating and related utilities, equipment and systems. The position involves the application of considerable technical and mechanical skill and knowledge of operating and maintenance problems. The employee may work under the supervision of a Chief Engineer Stationary or may be the supervising engineer at a facility. Supervision is exercised over Assistant Engineers Stationary II, III and Trainee. Does related work as required.

TYPICAL WORK ACTIVITIES: (All need not be performed in a given position. Other related activities may be performed although not listed)

Oversees and participates in the operation, maintenance and repair of heating, ventilating, refrigeration, generating, hot water, electric, laundry, kitchen, and sewage equipment and systems;

Reads dials, gauges, and control panels to determine status of operations;

Keeps log sheet of shift operations;

Chemically tests and treats boiler water, chilled water, cooling tower water, and closed loop water systems;

Does repairs on shift involving pipe fitting, electrical, plumbing work, and mechanical work;

Makes rounds of facility to check status of utility's systems;

Repairs auxiliary equipment such as boilers, stokers, oil burners, fans, pumps, generators, motors, pressure temperature controls, sewage systems, kitchen, steam and water lines, plumbing, electrical equipment, and allied equipment;

Supervises Assistant Engineers Stationary Grades II, III, and Trainees.

FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES AND PERSONAL

CHARACTERISTICS: Thorough knowledge of boiler operations; good knowledge of high pressure steam plant principles and functions; thorough knowledge of pumps, generators, and compressors; thorough knowledge of pipe fitting and steam line repairs; thorough knowledge of electrical systems; good knowledge of refrigeration and air conditioning systems; working knowledge of hydraulics; ability to take chemical tests of water; ability to supervise the work of Assistant Engineers Stationary Grades II and III; ability to note and correct systems malfunctions and deficiencies; reliability; dependability; physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS: Graduation from high school or possession of a high school equivalency diploma plus three (3) years of paid full-time or its part-time equivalent experience as a Stationary Engineer engaged in the operation of a high pressure steam plant with auxiliary equipment.

NOTE: Where education is lacking experience in any of the following areas may be substituted on a year-for-year basis.

- (A) Operation and maintenance of high-pressure steam and refrigeration lines;
- (B) Operation of a refrigeration plant;
- (C) A related skilled trade (i.e., pipe-fitting, plumbing, electrical work, millwright, masonry, carpentry, general mechanical repair ONLY).

SPECIAL REQUIREMENTS:

Possession of a valid First Class Stationary Engineer's license issued by the Board of Stationary Engineers.

Depending on the position duties, candidates for employment with Monroe County Government will be required to pass a pre-employment drug test.

SPECIAL REQUIREMENT FOR APPOINTMENT IN SCHOOL DISTRICTS AND BOCES

Per Chapter 180 of the Laws of 2000, and by Regulations of the Commissioner of Education, to be employed in a position designated by a school district or BOCES as involving direct contact with students, a clearance for employment from the State Education Department is required.

FORMERLY: Stationary Engineer - First Class

ADOPTED: October 24, 1968

REVISED: March 24, 1983

REVISED: October 11, 1984